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APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/764,046	0	1/17/2001	Masayuki Atokawa	P/1071-1244	5678	
2352	7590	04/30/2003				
		ER GERB & SOF	EXAMINER			
1180 AVE NEW YOR		E AMERICAS 0368403		LEE, BENNY T		
				ART UNIT	PAPER NUMBER	
				2817		
				DATE MAILED: 04/30/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.



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This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

This application has been examined Responsive to communication filed on 21 Nov 2002	This action is made final.
A shortened statutory period for response to this action is set to expire 1 N 2 month(s), days from Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C.	n the date of this letter. . 133
Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION: 1. Notice of References Cited by Examiner, PTO-892. 2. Notice re Patent Drawin Notice of Art Cited by Applicant, PTO-1449 4. Notice of informal Patents Information on How to Effect Drawing Changes, PTO-1474 6.	•••
Part II SUMMARY OF ACTION	•
1. Claims	are pending in the application.
Of the above, claims 6-8; 10-17	are withdrawn from consideration.
2. Claims	have been cancelled.
3.: Claims	_ are allowed.
4. Claims 1-5, 9	are rejected.
- Harris	_ are objected to.
6. Claims are subject to	restriction or election requirement.
 7. This application has been filed with informal drawings which are acceptable for examination purpose matter is indicated. 	s until such time as allowable subject
8. Allowable subject matter having been indicated, formal drawings are required in response to this Off	ice action.
9. The corrected or substitute drawings have been received on These draw not acceptable (see explanation).	ings are. acceptable;
10. The proposed drawing correction and/or the proposed additional or substitute sheet(s) of dra has (have) been approved by the examiner. disapproved by the examiner (see explanation).	wings, filed on
11. The proposed drawing correction, filed has been approved. dis the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsible corrected. Corrections MUST be effected in accordance with the instructions set forth on the attach EFFECT DRAWING CHANGES", PTO-1474.	lity to ensure that the drawings are
12. Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has	been received not been received
been filed in parent application, serial no. ; filed on ; filed on; Since this application appears to be in condition for allowance except for formal matters, prosecution	as to the merite is placed in
accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.	as to the ments is closed in
14.	

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Applicant's election without traverse of Species I in Paper No. 7 is acknowledged.

Regarding claims 12-15, these claims were selected by applicants' as belonging to the elected species. However, because of the recited "substrate", these claims can not belong to the elected species.

Claims 4, 6-8, 10-17 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 7.

The disclosure is objected to because of the following informalities: Page 1, line 19, note that --of FIG. 18-- should follow "bandpass filter" for clarity of description. Page 2, line 4, note that --in FIG. 18-- should follow "shown" for clarity of description. Page 6, line 3, note that "Thereby" should be rewritten as --Therefore-- for clarity; line 19, note that "froth" should be correctly spelled as --forth--. Page 17, lines 1, 10, note that --(not shown in FIG. 3)-- should follow "D12" for a proper characterization. Page 26, line 8; page 28, line 3; page 29, line 23; page 31, line 15; page 33, line 26: at all occurrences, "excepting" should be rewritten as --except-- for a better description. Page 29, lines 14, 15, note that the recitation "the voltage control electrode pattern 86" appears twice. Page 30, line 8, note that "21 to 23" should be rewritten as --21, 22, 23--. Page 32, line 26 and page 33, lines 3, 6, 7, note that --(not shown in FIG. 14)--should follow "D11", "D12", "L11" and "L12", respectively. Note that reference labels (164, Transmission Filter, Reception Filter) need description in "FIG. 17".

Appropriate correction is required.

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The drawings are objected to because of the following: In Figs. 5, 6, 7, 8, 9, 11, 12, note that "capacitors" (C₅1, C₅2) need to be respectively labeled; In fig. 13, reference label --12c-needs to be provided. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claims 1-5, 9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, it is unclear which one of the "at least one resonance electrode" is intended by the recitation of "the resonance electrode".

In claim 3, note that it is unclear how the "voltage controllable reactance element" relates to the earlier recited "capacitance" (e.g. same as?).

In claim 9, note that reference to "at least two" electrodes appears contradictory to the single "electrode" as recited in claim 1. Moreover, reference to "a coupling adjustment element" is vague in meaning.

The following claims have been found objectionable for reasons set forth below:

Claim 5 is found objectionable since the subject matter herein is identical to that in claim 2 from which this claim directly depend, and thus this claim is not further limiting of claim 2.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by either McVeety et al (fig. 12) cited by applicants', Yorita et al ('674), fig. 2, Hoang (fig. 2) or Yamada (fig. 25).

Note that in each one of these references, a dielectric block filter is provided with at least one resonance electrode, a ground electrode or layer, input and output electrodes and a separate electrode (i.e. 122 in McVeety et al; 100 in Yorita et al; 102 in Hoang; 9 in Yamada) which provides a capacitance (through the dielectric block) with the corresponding resonance electrodes.

Claims 1, 3 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Ala-Kojola et al.

Ala-Kojola et al in Fig. 4 discloses a dielectric block filter (10) having resonance holes (6, 7) disposed within the dielectric block. The block has most side surfaces coated with a conductive material (i.e. ground layer). Conductive patterns (11, 12) constitute input/output electrodes while separated electrode (13) constitute a capacitively coupled regulating element for resonance holes (6, 7). Note that electrode (13) is coupled to a voltage from a control circuit (not shown) to thereby vary the capacitive coupling of electrode (13).

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Claims 1, 2, 5, 9 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by either Yorita ('002) or Togami.

Note that each reference discloses a dielectric block filter (with resonance holes, ground layers, etc) having a stepped outer surface (i.e. 18 in Yorita; lb in Togami) upon which input/output electrodes (10, 11 in Togami; 30a, 30b in Yorita) and a separated electrodes (6 in Togami; 28a, 28b in Yorita) are disposed. Note that in each reference, at least two separated electrodes (i.e. 5 separated electrodes (6) in Togami; two separated electrodes (28a, 28b) in Yorita) are provided in capacitive coupling with the resonance holes through the respective connections.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103© and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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Claims 3, 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yorita ('002)

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in view of Ala-Kojola et al.

Yorita ('002) discloses the dielectric block filter with a stepped outer surface having

separated electrodes for coupling to the resonance holes disposed thereon. However, Yorita fails

to disclose such separated electrodes are coupled to a voltage responsive reactance element.

As described above in a previous rejection, Ala-Kojola et al also discloses a separated

electrode on a side surface for capacitive coupling to resonance holes and further includes its

connection to a semiconductive reactance (i.e. switching) element (9) responsive to an applied

voltage control to selective adjust the capacitive coupling.

Accordingly, it would have been obvious in view of the references, taken as a whole, to

have added a semiconductive reactance to separated electrodes (28a, 28b) of Yorita. Such a

modification would have been considered obvious since it would have imparted the

advantageous benefit of providing an adjustable capacitive coupling to a previously fixed

capacitive coupling, thereby suggesting the obviousness of such a combination.

Any inquiry concerning this communication should be directed to Benny Lee at

telephone number 308-4902.

Lee/ek

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Semy Lee

04/29/03